

Power Cost Memorandum Fuel Cost Update and Surcharge Change

Date: December 17, 2020

Utility Name (Cert. No.) Nushagak Electric & Telephone Coop., Inc. (45)	Utility File No. PC81-0318I	Date Filed: November 12, 2020
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PCE AMOUNT SUMMARY	Previously Approved PC81-0318H	Staff Recommended Amount(s) and Effective Date PC81-0318I
Class Rate	<u>Date Approved:</u> July 30, 2020	December 18, 2020
Residential	\$0.1416	\$0.1334
Community Facilities:		
Under 20kW	\$0.1416	\$0.1334
Over 20kW	\$0.1416	\$0.1334
<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent		<input type="checkbox"/> Interim <input checked="" type="checkbox"/> Permanent

Prior Fuel Purchase Price: \$ 1.8980	New Fuel Purchase Price: \$ 1.7777
Delivery Charge: <input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted	Surcharge Change: Previous 0.135 <input type="checkbox"/> Actual <input checked="" type="checkbox"/> Weighted Updated 0.1246

Weighted Average Fuel Price/Gal. Calculation					
	Gallons		Price		
On-hand before deliv.	907,510	X	1.8980	=	1,722,453.98
Delivered	522,776	X	1.5690	=	820,235.54
	<u>1,430,286</u>				<u>\$ 2,542,689.52</u>
					Weighted Average \$ 1.7777

Signed: Brenda Cox
Brenda Cox

Utility Financial Analyst

Commission decision re. this recommendation :

	Date (if different from 12/17/20)	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT *
Pickett		<u>RMP</u>		
McAlpine		<u>SM</u> SM		
Scott		<u>AGS</u> AGS		
Sullivan		<u>DS</u> DS		
Wilson		<u>JW</u> JW		

Special Instructions to Staff:

*If this column is initialed, Staff will contact the Commissioner for the statement, otherwise, dissent will simply be noted at the close of the By Direction Letter or Order.

NUSHAGAK ELECTRIC & TELEPHONE COOPERATIVE, INC.

APPENDIX 1

POWER COST EQUALIZATION CALCULATION
FOR TEST PERIOD ENDING DECEMBER 31, 2017

Surcharge Change

	PC81-0318H	PC81-0318I	
	Prior Commission Approval	Utility Request	Staff Recommended
A. Total kWh Generated	19,029,200	19,029,200	19,029,200
B. Total kWh Sold	17,703,210	17,703,210	17,703,210
C. Total Non-Fuel Costs (Appendix 2)	3,885,919	3,885,919	3,885,919
D. Non-Fuel Cost/kWh (C / B)	0.2195	0.2195	0.2195
E. Total Fuel Costs (Appendix 2)	2,404,090	2,251,713	2,251,713
F. Fuel Costs/kWh (E / B)	0.1358	0.1272	0.1272
G. Eligible Costs/kWh (D + F)	0.3553	0.3467	0.3467
H. Eligible Cost/kWh (G) less base rate in effect	0.1490	0.1404	0.1404
I. Lesser of (H) or 79.37 cents/kWh	0.1490	0.1404	0.1404
J. Average Class Rates (Appendix 3)			
Residential	0.2315	0.2211	0.2211
Community Facilities:			
Under 20 KW	0.2723	0.2619	0.2619
Over 20KW	0.3153	0.3049	0.3049
Class Power Cost Equalization Per kWh Payable			
K. Lesser of: (I) x 95% or (J)			
Residential	0.1416	0.1334	0.1334
Community Facilities:			
Under 20 KW	0.1416	0.1334	0.1334
Over 20KW	0.1416	0.1334	0.1334
Funding Level in Effect	100%	100%	100%
L. Residential	0.1416	0.1334	0.1334
Community Facilities:			
Under 20 KW	0.1416	0.1334	0.1334
Over 20KW	0.1416	0.1334	0.1334

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Appendix 1

NUSHAGAK ELECTRIC & TELEPHONE COOPERATIVE, INC.

APPENDIX 2

SCHEDULE OF ELIGIBLE POWER COSTS, SALES, AND EFFICIENCY
FOR TEST PERIOD ENDING DECEMBER 31, 2017

Surcharge Change

		PC81-0318H	PC81-0318I	
		Prior Commission Approval	Per Utility	Per Staff
Non-Fuel Costs:				
A. Personnel Costs		730,218	730,218	730,218
B. Operating Expenses		1,890,854	1,890,854	1,890,854
C. General & Administrative		903,777	903,777	903,777
D. Depreciation/Amortization		504,251	504,251	504,251
E. Interest Expense		71,276	71,276	71,276
F. Other (Waste Heat Revenue)		(214,457)	(214,457)	(214,457)
G. Total Non-Fuel Costs		3,885,919	3,885,919	3,885,919
Fuel Costs:				
H. Gallons Consumed for Electric Generation		1,266,644	1,266,644	1,266,644
I. Price of Fuel:(per gal) Weighted Average		1.8980	1.7777	1.7777
J. Total Cost of Fuel		2,404,090	2,251,713	2,251,713
K. kWh Generated		19,029,200	19,029,200	19,029,200
L. kWh Sales		17,703,210	17,703,210	17,703,210
M. kWh Station Service		390,900	390,900	390,900
N. Efficiency (K / H)	≥ Standard 13.50	15.02	15.02	15.02
O. Line Loss	≤ 12%	4.91%	4.91%	4.91%
(kWh generated - (kWh sold+Station Service)/kWh generated				

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NUSHAGAK ELECTRIC & TELEPHONE COOPERATIVE, INC.

Appendix 3

Average Class Rate Calculation

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Surcharge Rate: \$0.12460

Basic Charge (BC): \$20.00

Rate Schedule: Residential

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)+BC	(6) Avg. (\$/kWh) (E)/(A)	(7) Avg. Rate (\$/kWh) - 0.2063
500	0.2628	0.12460	0.3874	213.7000		

500				213.7000	0.4274	0.2211
TOTAL (A)				(E)		

Rate Schedule:

(1) kWh by Block	(2) Rate (\$/kWh)	(3) Surcharge If Applicable (\$/kWh)	(4) Total (\$/kWh) (2+3)	(5) Total \$ (1x4)	(6) Avg. (\$/kWh) (E)/(A)	(7) Avg. Rate (\$/kWh) - 0.2063

TOTAL (A)	(E)
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NUSHAGAK ELECTRIC & TELEPHONE COOPERATIVE, INC.**Community Facilities Average Rate Calculation**

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Basic Charge (BC): \$35.00
Rate Schedule: Community under 20kW

(1) Block	(2) Rate/ kWh	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)+(BC/500)	(6) Average Rate(\$/kWh)- 0.2063
0 to 20,000	0.2736	0.12460	0.4682	0.2619

Rate Schedule: Community over 20kW
Basic Charge (BC): \$75.00

(1) Block	(2) Rate/ kWh	(3) Surcharge (\$/kWh)	(4) Total (\$/kWh) (2+3)+(BC/500)	(6) Average Rate(\$/kWh)- 0.2063
0 to 99,999	0.2366	0.12460	0.5112	0.3049

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Appendix 3

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Nushagak Telephone and Electric Cooperative

	Date	Gallons	Cost per Gallon	Delivery /Mark-up per Gallon	Total Cost
Beginning Fuel Inventory		907,510			
Last Approved Fuel Cost/Gal.			\$ 1.8980		
Beginning Fuel Inventory in Gallons	X	Last Approved Fuel Cost/Gal. = Beginning Fuel Inventory Cos		\$	1,722,454
Reporting Period Purchases	10/17/20	522,776	1.5199		794,567
	10/31/20	Dockage/Wharfage			14,196
	11/23/20	Loan Interest			11,451
					-
					-
					-
					-
					-
Totals for Reporting Period Purchases on this sheet:		522,776			820,214
Grand Totals (beginning inventory plus purchases)		1,430,286		\$	2,542,668
Total Cost for Reporting Period divided by Total Gallons for Reporting Period =				\$	1.5690
Grand Total Cost divided by Grand Total Gallons			=	\$	1.7777

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